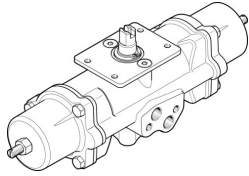


Quarter turn actuator DAPS-0015-090-RS3-F03-CR

Part number: 552877

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Size of valve actuator | 0015 |
| Flange hole pattern | F03 |
| Swivel angle | 90 deg |
| Shaft connection depth | 10.2 mm |
| Cushioning | No cushioning |
| Mounting position | Any |
| Mode of operation | Single-acting |
| Design | Scotch yoke system |
| Position detection | None |
| Closing direction | Closes to the right |
| Symbol | 00991266 |
| Safety Integrity Level (SIL) | up to SIL 2 high demand mode up to SIL 2 Low Demand mode |
| Supply pressure for spring strength | 0.42 MPa |
| Supply pressure for spring strength | 4.2 bar |
| Operating pressure | 0.42 MPa ... 0.84 MPa |
| Operating pressure | 4.2 bar ... 8.4 bar |
| Nominal operating pressure | 0.56 MPa |
| Nominal operating pressure | 5.6 bar |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Explosion protection | Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) |
| Certificate issuing authority | German Technical Control Board North (TÜV Nord) 212170801 |
| ATEX category gas | II 2G |
| ATEX category dust | II 2D |
| Explosion ignition protection type for gas | Ex h IIC T6...T3 Gb X |
| Explosion ignition protection type for dust | Ex h IIIC T85°C...T200°C Db X |
| Explosion ambient temperature | -20°C ≤ Ta ≤ +60°C |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 3 - high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |

| Feature | Value |
|---|-----------------------------|
| Ambient temperature | -20 °C ... 80 °C |
| Torque at nominal operating pressure and 0° swivel angle | 17.6 Nm |
| Torque at nominal operating pressure and 50° swivel angle | 9.3 Nm |
| Torque at nominal operating pressure and 90° swivel angle | 13.8 Nm |
| Spring return torque at 0° swivel angle | 7.5 Nm |
| Spring return torque at 50° swivel angle | 5.6 Nm |
| Spring return torque at 90° swivel angle | 11.3 Nm |
| Spring strength | 3 |
| Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0° | 0.6 l |
| Product weight | 1600 g |
| Shaft connection | T9 |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant |
| Material cover | High-alloy stainless steel |
| Material number cover | 1,4408 |
| Material seals | Fluoro rubber NBR PUR |
| Material housing | High-alloy stainless steel |
| Material number housing | 1,4408 |
| Material screws | High-alloy stainless steel |
| Material shaft | High-alloy stainless steel |
| Material number shaft | 1,4301 |